

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2018/11/17	orbit maintenance maneuver (*1)	UNLD	2018/11/17 09:21:34	2018/11/17 09:27:42					2302
		YS→ON	2018/11/17 09:47:50	2018/11/17 09:49:50					
		#1-1	2018/11/17 09:56:00	2018/11/17 09:58:59	0:02:59	-2.840	0.010	0.039	
		#1-2	2018/11/17 11:03:23	2018/11/17 11:06:23	0:03:00	-2.840	0.013	0.039	
		#2	2018/11/17 17:58:42	2018/11/17 18:03:41	0:04:59	4.850	0.033	0.063	
		#3	2018/11/17 22:58:02	2018/11/17 22:58:08	0:00:06	0.096	0.001	0.001	
		UNLD	2018/11/17 23:18:14	2018/11/17 23:52:14					
		ON→YS	2018/11/17 23:42:43	2018/11/17 23:45:48					
2018/12/3	change of Yaw Steering Status	Pseudo YS	2018/12/3 01:39:11	2018/12/3 01:50:15					
2018/12/4	change of Yaw Steering Status	Pseudo YS	2018/12/4 01:31:19	2018/12/4 01:55:43					
			2018/12/4 14:27:59	2018/12/4 14:45:03					
2018/12/5	change of Yaw Steering Status	Pseudo YS	2018/12/5 01:25:43	2018/12/5 01:59:03					
			2018/12/5 14:21:19	2018/12/5 14:53:03					
2018/12/6	change of Yaw Steering Status	Pseudo YS	2018/12/6 01:21:11	2018/12/6 02:00:55					
			2018/12/6 14:16:23	2018/12/6 14:56:07					
2018/12/7	change of Yaw Steering Status	Pseudo YS	2018/12/7 01:17:11	2018/12/7 02:02:07					
			2018/12/7 14:12:23	2018/12/7 14:58:15					
2018/12/8	change of Yaw Steering Status	Pseudo YS	2018/12/8 01:13:28	2018/12/8 02:02:48					
			2018/12/8 14:12:23	2018/12/8 14:59:44					
2018/12/9	change of Yaw Steering Status	Pseudo YS	2018/12/9 01:10:08	2018/12/9 02:03:12					
			2018/12/9 14:06:16	2018/12/9 15:00:08					
2018/12/10	change of Yaw Steering Status	Pseudo YS	2018/12/10 01:08:56	2018/12/10 02:01:20					
			2018/12/10 14:07:28	2018/12/10 14:56:56					
2018/12/11	change of Yaw Steering Status	Pseudo YS	2018/12/11 01:09:28	2018/12/11 01:57:52					
			2018/12/11 14:09:03	2018/12/11 14:53:20					
2018/12/12	change of Yaw Steering Status	Pseudo YS	2018/12/12 01:10:08	2018/12/12 01:54:00					
			2018/12/12 14:11:12	2018/12/12 14:48:56					
2018/12/13	change of Yaw Steering Status	Pseudo YS	2018/12/13 01:11:28	2018/12/13 01:49:36					
			2018/12/13 14:14:16	2018/12/13 14:43:20					
2018/12/14	change of Yaw Steering Status	Pseudo YS	2018/12/14 01:13:20	2018/12/14 01:44:24					
			2018/12/14 14:19:28	2018/12/14 14:33:52					
2018/12/15	change of Yaw Steering Status	Pseudo YS	2018/12/15 01:16:32	2018/12/15 01:36:00					
			-	-					
2019/5/17 -5/18	orbit maintenance maneuver (*1)	UNLD	2019/5/17 21:49:57	2019/5/17 21:53:17				2294	
		YS→ON	2019/5/17 22:10:12	2019/5/17 22:13:47					
		#1	2019/5/17 22:18:22	2019/5/17 22:22:45	0:04:23	-4.039	-0.012		0.053
		#2	2019/5/18 05:48:51	2019/5/18 05:52:16	0:03:25	3.267	-0.013		0.035
		#3	2019/5/18 10:47:26	2019/5/18 10:47:29	0:00:03	0.056	0.000		0.001
		UNLD	2019/5/18 10:50:37	2019/5/18 10:52:37					
		ON→YS	2019/5/18 10:56:43	2019/5/18 10:57:31					
2019/5/30	change of Yaw Steering Status	Pseudo YS	2019/5/30 13:50:22	2019/5/30 14:04:14					
2019/5/31	change of Yaw Steering Status	Pseudo YS	2019/5/31 13:43:18	2019/5/31 14:09:42					
2019/6/1	change of Yaw Steering Status	Pseudo YS	2019/6/1 02:40:30	2019/6/1 03:01:58					
			2019/6/1 13:37:50	2019/6/1 14:12:14					

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2019/6/2	change of Yaw Steering Status	Pseudo YS	2019/6/2 02:34:14	2019/6/2 03:07:02					
			2019/6/2 13:33:18	2019/6/2 14:13:34					
2019/6/3	change of Yaw Steering Status	Pseudo YS	2019/6/3 02:29:18	2019/6/3 03:09:34					
			2019/6/3 13:29:10	2019/6/3 14:14:22					
2019/6/4	change of Yaw Steering Status	Pseudo YS	2019/6/4 02:25:11	2019/6/4 03:11:11					
			2019/6/4 13:25:27	2019/6/4 14:14:47					
2019/6/5	change of Yaw Steering Status	Pseudo YS	2019/6/5 02:21:27	2019/6/5 03:12:23					
			2019/6/5 13:21:51	2019/6/5 14:14:55					
2019/6/6	change of Yaw Steering Status	Pseudo YS	2019/6/6 02:18:31	2019/6/6 03:12:39					
			2019/6/6 13:20:15	2019/6/6 14:12:55					
2019/6/7	change of Yaw Steering Status	Pseudo YS	2019/6/7 02:19:19	2019/6/7 03:09:11					
			2019/6/7 13:20:23	2019/6/7 14:09:19					
2019/6/8	change of Yaw Steering Status	Pseudo YS	2019/6/8 02:20:23	2019/6/8 03:05:27					
			2019/6/8 13:20:47	2019/6/8 14:05:19					
2019/6/9	change of Yaw Steering Status	Pseudo YS	2019/6/9 02:22:07	2019/6/9 03:01:11					
			2019/6/9 13:21:27	2019/6/9 14:00:55					
2019/6/10	change of Yaw Steering Status	Pseudo YS	2019/6/10 02:24:31	2019/6/10 02:55:51					
			2019/6/10 13:22:55	2019/6/10 13:55:51					
2019/6/11	change of Yaw Steering Status	Pseudo YS	2019/6/11 02:28:15	2019/6/11 02:46:55					
			2019/6/11 13:25:11	2019/6/11 13:49:03					
2019/6/12	change of Yaw Steering Status	Pseudo YS	2019/6/12 13:29:59	2019/6/12 13:40:31					
2019/11/14	orbit maintenance maneuver (*1)	UNLD	2019/11/14 09:32:44	2019/11/14 09:39:08					2288
		YS→ON	2019/11/14 09:59:39	2019/11/14 10:00:42					
		#1	2019/11/14 10:07:49	2019/11/14 10:11:25	0:03:36	-3.348	0.020	0.042	
		#2	2019/11/14 17:38:15	2019/11/14 17:40:59	0:02:44	2.659	0.027	0.024	
		#3	2019/11/14 22:36:27	2019/11/14 22:36:35	0:00:08	0.130	0.001	0.001	
		UNLD	2019/11/14 22:39:32	2019/11/14 22:41:40					
		ON→YS	2019/11/14 22:45:46	2019/11/14 22:49:14					
UNLD	2019/11/14 22:52:04	2019/11/14 22:54:12							
2019/11/29	change of Yaw Steering Status	Pseudo YS	2019/11/29 01:39:42	2019/11/29 01:51:42					
2019/11/30	change of Yaw Steering Status	Pseudo YS	2019/11/30 01:31:58	2019/11/30 01:57:26					
			2019/11/30 14:29:18	2019/11/30 14:49:50					
2019/12/1	change of Yaw Steering Status	Pseudo YS	2019/12/1 01:26:14	2019/12/1 02:00:30					
			2019/12/1 14:22:46	2019/12/1 14:55:42					
2019/12/2	change of Yaw Steering Status	Pseudo YS	2019/12/2 01:21:34	2019/12/2 02:02:14					
			2019/12/2 14:17:42	2019/12/2 14:58:38					
2019/12/3	change of Yaw Steering Status	Pseudo YS	2019/12/3 01:17:18	2019/12/3 02:03:10					
			2019/12/3 14:13:34	2019/12/3 15:00:30					
2019/12/4	change of Yaw Steering Status	Pseudo YS	2019/12/4 01:13:34	2019/12/4 02:03:42					
			2019/12/4 14:09:50	2019/12/4 15:01:50					
2019/12/5	change of Yaw Steering Status	Pseudo YS	2019/12/5 01:09:58	2019/12/5 02:03:58					
			2019/12/5 14:08:06	2019/12/5 15:01:02					
2019/12/6	change of Yaw Steering Status	Pseudo YS	2019/12/6 01:09:34	2019/12/6 02:01:02					
			2019/12/6 14:09:18	2019/12/6 14:57:26					

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2019/12/7	change of Yaw Steering Status	Pseudo YS	2019/12/7 01:10:06	2019/12/7 01:57:10					
			2019/12/7 14:11:02	2019/12/7 14:53:26					
2019/12/8	change of Yaw Steering Status	Pseudo YS	2019/12/8 01:10:54	2019/12/8 01:53:02					
			2019/12/8 14:13:26	2019/12/8 14:48:38					
2019/12/9	change of Yaw Steering Status	Pseudo YS	2019/12/9 01:12:22	2019/12/9 01:48:22					
			2019/12/9 14:16:54	2019/12/9 14:41:50					
2019/12/10	change of Yaw Steering Status	Pseudo YS	2019/12/10 01:14:39	2019/12/10 01:42:23					
			2019/12/10 14:24:15	2019/12/10 14:32:31					
2019/12/11	change of Yaw Steering Status	Pseudo YS	2019/12/11 01:18:55	2019/12/11 01:33:03					
2020/5/9 -5/10	orbit maintenance maneuver (*1)	UNLD	2020/5/9 21:52:03	2020/5/9 21:55:23					2282
		YS→ON	2020/5/9 22:12:26	2020/5/9 22:15:53					
		#1	2020/5/9 22:20:36	2020/5/9 22:24:11	0:03:35	-3.264	-0.020	0.042	
		#2	2020/5/10 05:51:02	2020/5/10 05:53:45	0:02:43	2.599	-0.005	0.028	
		#3	2020/5/10 10:49:15	2020/5/10 10:49:20	0:00:05	0.079	0.000	0.001	
		UNLD	2020/5/10 10:52:19	2020/5/10 10:54:27					
		ON→YS	2020/5/10 10:58:32	2020/5/10 10:59:37					
		UNLD	2020/5/10 11:04:51	2020/5/10 11:06:59					
2020/5/25	change of Yaw Steering Status	Pseudo YS	2020/5/25 13:42:13	2020/5/25 13:58:37					
2020/5/26	change of Yaw Steering Status	Pseudo YS	2020/5/26 02:41:33	2020/5/26 02:51:41					
			2020/5/26 13:35:33	2020/5/26 14:04:37					
2020/5/27	change of Yaw Steering Status	Pseudo YS	2020/5/27 02:32:37	2020/5/27 02:58:45					
			2020/5/27 13:30:21	2020/5/27 14:06:45					
2020/5/28	change of Yaw Steering Status	Pseudo YS	2020/5/28 02:26:45	2020/5/28 03:02:29					
			2020/5/28 13:25:41	2020/5/28 14:07:57					
2020/5/29	change of Yaw Steering Status	Pseudo YS	2020/5/29 02:22:05	2020/5/29 03:04:45					
			2020/5/29 13:21:33	2020/5/29 14:08:29					
2020/5/30	change of Yaw Steering Status	Pseudo YS	2020/5/30 02:17:57	2020/5/30 03:06:05					
			2020/5/30 13:17:49	2020/5/30 14:08:45					
2020/5/31	change of Yaw Steering Status	Pseudo YS	2020/5/31 02:14:21	2020/5/31 03:07:01					
			2020/5/31 13:14:13	2020/5/31 14:08:45					
2020/6/1	change of Yaw Steering Status	Pseudo YS	2020/6/1 02:13:09	2020/6/1 03:05:17					
			2020/6/1 13:14:13	2020/6/1 14:05:01					
2020/6/2	change of Yaw Steering Status	Pseudo YS	2020/6/2 02:14:05	2020/6/2 03:01:41					
			2020/6/2 13:14:29	2020/6/2 14:01:17					
2020/6/3	change of Yaw Steering Status	Pseudo YS	2020/6/3 02:15:25	2020/6/3 02:57:33					
			2020/6/3 13:15:09	2020/6/3 13:57:01					
2020/6/4	change of Yaw Steering Status	Pseudo YS	2020/6/4 02:17:26	2020/6/4 02:52:46					
			2020/6/4 13:16:14	2020/6/4 13:52:22					
2020/6/5	change of Yaw Steering Status	Pseudo YS	2020/6/5 02:20:38	2020/6/5 02:46:14					
			2020/6/5 13:18:06	2020/6/5 13:46:30					
2020/6/6	change of Yaw Steering Status	Pseudo YS	2020/6/6 02:26:38	2020/6/6 02:36:54					
			2020/6/6 13:21:42	2020/6/6 13:37:02					

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2020/11/10	orbit maintenance maneuver (*1)	UNLD	2020/11/10 09:28:03	2020/11/10 09:34:27					2275
		YS→ON	2020/11/10 09:55:07	2020/11/10 09:55:53					
		#1	2020/11/10 10:03:17	2020/11/10 10:06:58	0:03:41	-3.426	0.030	0.047	
		#2	2020/11/10 17:33:44	2020/11/10 17:36:32	0:02:48	2.730	0.009	0.035	
		#3	2020/11/10 22:31:57	2020/11/10 22:32:06	0:00:09	0.133	0.000	0.002	
		UNLD	2020/11/10 22:35:07	2020/11/10 22:37:07					
		ON→YS	2020/11/10 22:41:17	2020/11/10 22:44:57					
		UNLD	2020/11/10 22:47:39	2020/11/10 22:49:39					
2020/11/24	change of Yaw Steering Status	Pseudo YS	2020/11/24 01:36:52	2020/11/24 01:49:00					
2020/11/25	change of Yaw Steering Status	Pseudo YS	2020/11/25 01:28:52	2020/11/25 01:54:44					
			2020/11/25 14:26:36	2020/11/25 14:48:20					
2020/11/26	change of Yaw Steering Status	Pseudo YS	2020/11/26 01:23:09	2020/11/26 01:57:49					
			2020/11/26 14:20:05	2020/11/26 14:53:49					
2020/11/27	change of Yaw Steering Status	Pseudo YS	2020/11/27 01:18:21	2020/11/27 01:59:25					
			2020/11/27 14:15:01	2020/11/27 14:56:29					
2020/11/28	change of Yaw Steering Status	Pseudo YS	2020/11/28 01:14:13	2020/11/28 02:00:29					
			2020/11/28 14:10:45	2020/11/28 14:58:21					
2020/11/29	change of Yaw Steering Status	Pseudo YS	2020/11/29 01:10:21	2020/11/29 02:01:01					
			2020/11/29 14:07:09	2020/11/29 14:59:33					
2020/11/30	change of Yaw Steering Status	Pseudo YS	2020/11/30 01:06:53	2020/11/30 02:01:17					
			2020/11/30 14:05:57	2020/11/30 14:58:05					
2020/12/1	change of Yaw Steering Status	Pseudo YS	2020/12/1 01:07:01	2020/12/1 01:57:41					
			2020/12/1 14:07:09	2020/12/1 14:54:29					
2020/12/2	change of Yaw Steering Status	Pseudo YS	2020/12/2 01:07:33	2020/12/2 01:53:49					
			2020/12/2 14:08:53	2020/12/2 14:50:13					
2020/12/3	change of Yaw Steering Status	Pseudo YS	2020/12/3 01:08:29	2020/12/3 01:49:33					
			2020/12/3 14:11:25	2020/12/3 14:45:01					
2020/12/4	change of Yaw Steering Status	Pseudo YS	2020/12/4 01:10:05	2020/12/4 01:44:29					
			2020/12/4 14:15:25	2020/12/4 14:37:09					
2020/12/5	change of Yaw Steering Status	Pseudo YS	2020/12/5 01:12:37	2020/12/5 01:37:41					
2020/12/6	change of Yaw Steering Status	Pseudo YS	2020/12/6 01:17:57	2020/12/6 01:28:29					
2021/5/10	orbit maintenance maneuver (*1)	UNLD	2021/5/10 21:39:47	2021/5/10 21:42:59				2268	
		YS→ON	2021/5/10 21:59:32	2021/5/10 22:03:05					
		#1	2021/5/10 22:07:42	2021/5/10 22:11:30	0:03:48	-3.476	-0.020		0.045
		#2	2021/5/11 05:38:10	2021/5/11 05:41:02	0:02:52	2.761	-0.006		0.029
		#3	2021/5/11 10:36:26	2021/5/11 10:36:33	0:00:07	0.106	0.000		0.001
		UNLD	2021/5/11 10:39:39	2021/5/11 10:41:39					
		ON→YS	2021/5/11 10:45:50	2021/5/11 10:46:49					
		UNLD	2021/5/11 10:52:03	2021/5/11 10:54:11					
2021/5/20	change of Yaw Steering Status	Pseudo YS	2021/5/20 13:54:59	2021/5/20 13:58:27					
2021/5/21	change of Yaw Steering Status	Pseudo YS	2021/5/21 13:43:31	2021/5/21 14:03:31					

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2021/5/22	change of Yaw Steering Status	Pseudo YS	2021/5/22 02:42:35	2021/5/22 02:56:27					
			2021/5/22 13:37:07	2021/5/22 14:08:11					
2021/5/23	change of Yaw Steering Status	Pseudo YS	2021/5/23 02:34:44	2021/5/23 03:03:40					
			2021/5/23 13:31:56	2021/5/23 14:09:56					
2021/5/24	change of Yaw Steering Status	Pseudo YS	2021/5/24 02:29:00	2021/5/24 03:06:52					
			2021/5/24 13:27:24	2021/5/24 14:11:00					
2021/5/25	change of Yaw Steering Status	Pseudo YS	2021/5/25 02:24:20	2021/5/25 03:08:44					
			2021/5/25 13:23:16	2021/5/25 14:11:32					
2021/5/26	change of Yaw Steering Status	Pseudo YS	2021/5/26 02:20:20	2021/5/26 03:09:56					
			2021/5/26 13:19:32	2021/5/26 14:11:40					
2021/5/27	change of Yaw Steering Status	Pseudo YS	2021/5/27 02:16:44	2021/5/27 03:10:44					
			2021/5/27 13:17:08	2021/5/27 14:10:28					
2021/5/28	change of Yaw Steering Status	Pseudo YS	2021/5/28 02:16:52	2021/5/28 03:07:32					
			2021/5/28 13:17:08	2021/5/28 14:06:36					
2021/5/29	change of Yaw Steering Status	Pseudo YS	2021/5/29 02:17:56	2021/5/29 03:03:40					
			2021/5/29 13:17:32	2021/5/29 14:02:36					
2021/5/30	change of Yaw Steering Status	Pseudo YS	2021/5/30 02:19:32	2021/5/30 02:59:08					
			2021/5/30 13:18:20	2021/5/30 13:58:04					
2021/5/31	change of Yaw Steering Status	Pseudo YS	2021/5/31 02:21:56	2021/5/31 02:53:40					
			2021/5/31 13:19:40	2021/5/31 13:52:44					
2021/6/1	change of Yaw Steering Status	Pseudo YS	2021/6/1 02:25:48	2021/6/1 02:44:12					
			2021/6/1 13:22:12	2021/6/1 13:45:24					
2021/6/2	change of Yaw Steering Status	Pseudo YS	2021/6/2 13:27:40	2021/6/2 13:36:36					
2021/11/7	orbit maintenance maneuver (*1)	UNLD	2021/11/7 09:31:54	2021/11/7 09:38:10					2261
		YS→ON	2021/11/7 09:58:59	2021/11/7 10:00:08					
		#1	2021/11/7 10:07:09	2021/11/7 10:10:49	0:03:40	-3.427	0.030	0.047	
		#2	2021/11/7 17:37:36	2021/11/7 17:40:22	0:02:46	2.709	0.009	0.035	
		#3	2021/11/7 22:35:49	2021/11/7 22:35:57	0:00:08	0.135	0.000	0.002	
		UNLD	2021/11/7 22:38:58	2021/11/7 22:40:58					
		ON→YS	2021/11/7 22:45:08	2021/11/7 22:48:40					
UNLD	2021/11/7 22:51:30	2021/11/7 22:53:30							
2021/11/20	change of Yaw Steering Status	Pseudo YS	2021/11/20 01:38:51	2021/11/20 01:49:39					
2021/11/21	change of Yaw Steering Status	Pseudo YS	2021/11/21 01:30:19	2021/11/21 01:55:23					
			2021/11/21 14:28:43	2021/11/21 14:49:39					
2021/11/22	change of Yaw Steering Status	Pseudo YS	2021/11/22 01:24:27	2021/11/22 01:58:43					
			2021/11/22 14:21:47	2021/11/22 14:55:23					
2021/11/23	change of Yaw Steering Status	Pseudo YS	2021/11/23 01:19:23	2021/11/23 02:00:19					
			2021/11/23 14:16:35	2021/11/23 14:58:03					
2021/11/24	change of Yaw Steering Status	Pseudo YS	2021/11/24 01:14:59	2021/11/24 02:01:15					
			2021/11/24 14:12:11	2021/11/24 14:59:55					
2021/11/25	change of Yaw Steering Status	Pseudo YS	2021/11/25 01:11:07	2021/11/25 02:01:47					
			2021/11/25 14:08:27	2021/11/25 15:00:59					
2021/11/26	change of Yaw Steering Status	Pseudo YS	2021/11/26 01:07:23	2021/11/26 02:01:47					
			2021/11/26 14:07:15	2021/11/26 14:59:15					

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2021/11/27	change of Yaw Steering Status	Pseudo YS	2021/11/27 01:07:40	2021/11/27 01:58:04					
			2021/11/27 14:08:36	2021/11/27 14:55:24					
2021/11/28	change of Yaw Steering Status	Pseudo YS	2021/11/28 01:08:04	2021/11/28 01:53:56					
			2021/11/28 14:10:20	2021/11/28 14:50:52					
2021/11/29	change of Yaw Steering Status	Pseudo YS	2021/11/29 01:09:08	2021/11/29 01:49:24					
			2021/11/29 14:12:52	2021/11/29 14:45:16					
2021/11/30	change of Yaw Steering Status	Pseudo YS	2021/11/30 01:10:44	2021/11/30 01:43:56					
			2021/11/30 14:17:16	2021/11/30 14:35:16					
2021/12/1	change of Yaw Steering Status	Pseudo YS	2021/12/1 01:13:40	2021/12/1 01:36:36					
2021/12/2	change of Yaw Steering Status	Pseudo YS	2021/12/2 01:20:36	2021/12/2 01:27:16					
2022/5/7 -5/8 (*1)	orbit maintenance maneuver (*1)	UNLD	2022/5/7 21:40:58	2022/5/7 21:43:54					2254
		YS→ON	2022/5/7 22:00:04	2022/5/7 22:03:36					
		#1	2022/5/7 22:08:24	2022/5/7 22:12:09	0:03:45	-3.409	-0.019	0.044	
		#2	2022/5/8 05:38:52	2022/5/8 05:41:40	0:02:48	2.690	-0.006	0.029	
		#3	2022/5/8 10:37:06	2022/5/8 10:37:15	0:00:09	0.132	0.000	0.001	
		UNLD	2022/5/8 10:40:18	2022/5/8 10:42:18					
		ON→YS	2022/5/8 10:46:25	2022/5/8 10:47:20					
UNLD	2022/5/8 10:52:50	2022/5/8 10:54:50							
2022/5/16	change of Yaw Steering Status	Pseudo YS	2022/5/16 13:53:38	2022/5/16 13:59:54					
2022/5/17	change of Yaw Steering Status	Pseudo YS	2022/5/17 13:43:22	2022/5/17 14:04:58					
2022/5/18	change of Yaw Steering Status	Pseudo YS	2022/5/18 02:42:42	2022/5/18 02:58:10					
			2022/5/18 13:37:06	2022/5/18 14:08:58					
2022/5/19	change of Yaw Steering Status	Pseudo YS	2022/5/19 02:35:06	2022/5/19 03:05:38					
			2022/5/19 13:31:46	2022/5/19 14:10:42					
2022/5/20	change of Yaw Steering Status	Pseudo YS	2022/5/20 02:29:31	2022/5/20 03:08:35					
			2022/5/20 13:27:15	2022/5/20 14:11:39					
2022/5/21	change of Yaw Steering Status	Pseudo YS	2022/5/21 02:24:43	2022/5/21 03:10:11					
			2022/5/21 13:22:59	2022/5/21 14:12:03					
2022/5/22	change of Yaw Steering Status	Pseudo YS	2022/5/22 02:20:35	2022/5/22 03:11:15					
			2022/5/22 13:19:07	2022/5/22 14:12:03					
2022/5/23	change of Yaw Steering Status	Pseudo YS	2022/5/23 02:17:23	2022/5/23 03:11:23					
			2022/5/23 13:17:23	2022/5/23 14:09:47					
2022/5/24	change of Yaw Steering Status	Pseudo YS	2022/5/24 02:18:03	2022/5/24 03:07:31					
			2022/5/24 13:17:31	2022/5/24 14:05:47					
2022/5/25	change of Yaw Steering Status	Pseudo YS	2022/5/25 02:19:15	2022/5/25 03:03:15					
			2022/5/25 13:17:55	2022/5/25 14:01:23					
2022/5/26	change of Yaw Steering Status	Pseudo YS	2022/5/26 02:20:59	2022/5/26 02:58:27					
			2022/5/26 13:18:59	2022/5/26 13:56:35					
2022/5/27	change of Yaw Steering Status	Pseudo YS	2022/5/27 02:23:47	2022/5/27 02:52:11					
			2022/5/27 13:20:43	2022/5/27 13:50:43					
2022/5/28	change of Yaw Steering Status	Pseudo YS	2022/5/28 02:28:51	2022/5/28 02:42:11					
			2022/5/28 13:23:55	2022/5/28 13:40:43					

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2022/11/4	orbit maintenance maneuver (*1)	UNLD	2022/11/4 09:21:37	2022/11/4 22:28:17					2247
		YS→ON	2022/11/4 09:49:03	2022/11/4 09:49:59					
		#1	2022/11/4 09:57:13	2022/11/4 10:00:57	0:03:44	-3.474	0.030	0.047	
		#2	2022/11/4 17:27:40	2022/11/4 17:30:30	0:02:50	2.761	0.010	0.036	
		#3	2022/11/4 22:25:55	2022/11/4 22:26:03	0:00:08	0.132	0.000	0.002	
		UNLD	2022/11/4 22:29:05	2022/11/4 22:31:05					
		ON→YS	2022/11/4 22:35:14	2022/11/4 22:38:31					
		UNLD	2022/11/4 22:41:37	2022/11/4 22:43:37					
2022/11/16	change of Yaw Steering Status	Pseudo YS	2022/11/16 01:39:38	2022/11/16 01:47:38					
2022/11/17	change of Yaw Steering Status	Pseudo YS	2022/11/17 01:29:46	2022/11/17 01:53:22					
			2022/11/17 14:28:50	2022/11/17 14:47:46					
2022/11/18	change of Yaw Steering Status	Pseudo YS	2022/11/18 01:23:30	2022/11/18 01:56:58					
			2022/11/18 14:21:38	2022/11/18 14:54:34					
2022/11/19	change of Yaw Steering Status	Pseudo YS	2022/11/19 01:18:18	2022/11/19 01:58:42					
			2022/11/19 14:16:10	2022/11/19 14:57:22					
2022/11/20	change of Yaw Steering Status	Pseudo YS	2022/11/20 01:13:46	2022/11/20 01:59:46					
			2022/11/20 14:11:38	2022/11/20 14:58:58					
2022/11/21	change of Yaw Steering Status	Pseudo YS	2022/11/21 01:09:39	2022/11/21 02:00:19					
			2022/11/21 14:07:39	2022/11/21 15:00:11					
2022/11/22	change of Yaw Steering Status	Pseudo YS	2022/11/22 01:05:55	2022/11/22 02:00:35					
			2022/11/22 14:06:27	2022/11/22 14:58:27					
2022/11/23	change of Yaw Steering Status	Pseudo YS	2022/11/23 01:06:11	2022/11/23 01:56:35					
			2022/11/23 14:07:39	2022/11/23 14:54:27					
2022/11/24	change of Yaw Steering Status	Pseudo YS	2022/11/24 01:06:43	2022/11/24 01:52:27					
			2022/11/24 14:09:23	2022/11/24 14:49:47					
2022/11/25	change of Yaw Steering Status	Pseudo YS	2022/11/25 01:07:39	2022/11/25 01:47:47					
			2022/11/25 14:12:03	2022/11/25 14:44:11					
2022/11/26	change of Yaw Steering Status	Pseudo YS	2022/11/26 01:09:23	2022/11/26 01:42:19					
			2022/11/26 14:16:27	2022/11/26 14:33:31					
2022/11/27	change of Yaw Steering Status	Pseudo YS	2022/11/27 01:12:27	2022/11/27 01:34:19					
2022/11/28	change of Yaw Steering Status	Pseudo YS	2022/11/28 01:20:59	2022/11/28 01:24:19					
2023/5/3 -5/4	orbit maintenance maneuver (*1)	UNLD	2023/5/3 21:42:17	2023/5/3 21:45:13				2240	
		YS→ON	2023/5/3 22:01:20	2023/5/3 22:04:38					
		#1	2023/5/3 22:09:30	2023/5/3 22:13:24	0:03:54	-3.582	-0.017		0.044
		#2	2023/5/4 05:39:59	2023/5/4 05:42:56	0:02:57	2.842	-0.026		0.027
		#3	2023/5/4 10:38:18	2023/5/4 10:38:24	0:00:06	0.096	-0.001		0.001
		UNLD	2023/5/4 10:41:29	2023/5/4 10:43:29					
		ON→YS	2023/5/4 10:47:36	2023/5/4 10:48:22					
		UNLD	2023/5/4 10:53:53	2023/5/4 10:56:01					
2023/5/12	change of Yaw Steering Status	Pseudo YS	2023/5/12 13:52:49	2023/5/12 13:59:05					
2023/5/13	change of Yaw Steering Status	Pseudo YS	2023/5/13 13:42:18	2023/5/13 14:04:26					
2023/5/14	change of Yaw Steering Status	Pseudo YS	2023/5/14 02:42:02	2023/5/14 02:58:26					
			2023/5/14 13:35:46	2023/5/14 14:08:18					
2023/5/15	change of Yaw Steering Status	Pseudo YS	2023/5/15 02:34:34	2023/5/15 03:06:02					
			2023/5/15 13:30:26	2023/5/15 14:09:54					

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2023/5/16	change of Yaw Steering Status	Pseudo YS	2023/5/16 02:28:50	2023/5/16 03:08:50					
			2023/5/16 13:25:46	2023/5/16 14:10:50					
2023/5/17	change of Yaw Steering Status	Pseudo YS	2023/5/17 02:24:10	2023/5/17 03:10:18					
			2023/5/17 13:21:38	2023/5/17 14:11:14					
2023/5/18	change of Yaw Steering Status	Pseudo YS	2023/5/18 02:20:02	2023/5/18 03:11:22					
			2023/5/18 13:17:46	2023/5/18 14:11:14					
2023/5/19	change of Yaw Steering Status	Pseudo YS	2023/5/19 02:17:22	2023/5/19 03:10:42					
			2023/5/19 13:16:42	2023/5/19 14:08:26					
2023/5/20	change of Yaw Steering Status	Pseudo YS	2023/5/20 02:18:10	2023/5/20 03:06:42					
			2023/5/20 13:16:50	2023/5/20 14:04:18					
2023/5/21	change of Yaw Steering Status	Pseudo YS	2023/5/21 02:19:22	2023/5/21 03:02:18					
			2023/5/21 13:17:22	2023/5/21 13:59:46					
2023/5/22	change of Yaw Steering Status	Pseudo YS	2023/5/22 02:21:14	2023/5/22 02:57:06					
			2023/5/22 13:18:34	2023/5/22 13:54:42					
2023/5/23	change of Yaw Steering Status	Pseudo YS	2023/5/23 02:24:18	2023/5/23 02:50:18					
			2023/5/23 13:20:26	2023/5/23 13:48:10					
2023/5/24	change of Yaw Steering Status	Pseudo YS	2023/5/24 02:30:43	2023/5/24 02:40:19					
			2023/5/24 13:24:27	2023/5/24 13:38:27					
2023/11/1	orbit maintenance maneuver (*1)	UNLD	2023/11/1 09:23:21	2023/11/1 09:29:53					2233
		YS→ON	2023/11/1 09:50:39	2023/11/1 09:52:07					
		#1	2023/11/1 09:58:49	2023/11/1 10:02:34	0:03:45	-3.528	0.030	0.048	
		#2	2023/11/1 17:29:16	2023/11/1 17:32:08	0:02:52	2.798	0.010	0.036	
		#3	2023/11/1 22:27:33	2023/11/1 22:27:38	0:00:05	0.088	0.000	0.001	
		UNLD	2023/11/1 22:30:41	2023/11/1 22:32:41					
		ON→YS	2023/11/1 22:36:53	2023/11/1 22:41:11					
UNLD	2023/11/1 22:43:13	2023/11/1 22:45:13							
2023/11/13	change of Yaw Steering Status	Pseudo YS	2023/11/13 01:29:46	2023/11/13 01:50:42					
			2023/11/13 14:29:46	2023/11/13 14:45:38					
2023/11/14	change of Yaw Steering Status	Pseudo YS	2023/11/14 01:23:06	2023/11/14 01:55:14					
			2023/11/14 14:22:02	2023/11/14 14:53:30					
2023/11/15	change of Yaw Steering Status	Pseudo YS	2023/11/15 01:17:46	2023/11/15 01:57:14					
			2023/11/15 14:16:18	2023/11/15 14:56:34					
2023/11/16	change of Yaw Steering Status	Pseudo YS	2023/11/16 01:12:58	2023/11/16 01:58:18					
			2023/11/16 14:11:38	2023/11/16 14:58:18					
2023/11/17	change of Yaw Steering Status	Pseudo YS	2023/11/17 01:08:50	2023/11/17 01:58:58					
			2023/11/17 14:07:22	2023/11/17 14:59:30					
2023/11/18	change of Yaw Steering Status	Pseudo YS	2023/11/18 01:04:50	2023/11/18 01:59:06					
			2023/11/18 14:05:38	2023/11/18 14:58:02					
2023/11/19	change of Yaw Steering Status	Pseudo YS	2023/11/19 01:04:34	2023/11/19 01:55:22					
			2023/11/19 14:06:42	2023/11/19 14:53:54					
2023/11/20	change of Yaw Steering Status	Pseudo YS	2023/11/20 01:05:06	2023/11/20 01:51:06					
			2023/11/20 14:08:26	2023/11/20 14:49:14					
2023/11/21	change of Yaw Steering Status	Pseudo YS	2023/11/21 01:06:02	2023/11/21 01:46:18					
			2023/11/21 14:10:58	2023/11/21 14:43:22					



## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2023/11/22	change of Yaw Steering Status	Pseudo YS	2023/11/22 01:07:38	2023/11/22 01:40:34					
			2023/11/22 14:15:22	2023/11/22 14:32:34					
2023/11/23	change of Yaw Steering Status	Pseudo YS	2023/11/23 01:10:42	2023/11/23 01:32:26					
2024/4/30 -5/1 (*1)	orbit maintenance maneuver (*1)	UNLD	2024/4/30 21:26:40	2024/4/30 21:29:44					2226
		YS→ON	2024/4/30 21:45:52	2024/4/30 21:49:09					
		#1	2024/4/30 21:54:02	2024/4/30 21:57:53	0:03:51	-3.550	-0.017	0.044	
		#2	2024/5/1 05:24:30	2024/5/1 05:27:26	0:02:56	2.809	-0.026	0.026	
		#3	2024/5/1 10:22:49	2024/5/1 10:22:55	0:00:06	0.093	-0.001	0.001	
		UNLD	2024/5/1 10:26:01	2024/5/1 10:28:01					
		ON→YS	2024/5/1 10:32:07	2024/5/1 10:32:54					
		UNLD	2024/5/1 10:38:25	2024/5/1 10:40:33					
2024/5/7	change of Yaw Steering Status	Pseudo YS	2024/5/7 13:54:41	2024/5/7 13:59:21					
2024/5/8	change of Yaw Steering Status	Pseudo YS	2024/5/8 13:43:21	2024/5/8 14:04:57					
2024/5/9	change of Yaw Steering Status	Pseudo YS	2024/5/9 02:43:37	2024/5/9 03:00:09					
			2024/5/9 13:36:49	2024/5/9 14:09:05					
2024/5/10	change of Yaw Steering Status	Pseudo YS	2024/5/10 02:36:01	2024/5/10 03:07:45					
			2024/5/10 13:31:21	2024/5/10 14:10:49					
2024/5/11	change of Yaw Steering Status	Pseudo YS	2024/5/11 02:30:17	2024/5/11 03:10:25					
			2024/5/11 13:26:33	2024/5/11 14:11:37					
2024/5/12	change of Yaw Steering Status	Pseudo YS	2024/5/12 02:25:29	2024/5/12 03:12:01					
			2024/5/12 13:22:17	2024/5/12 14:12:01					
2024/5/13	change of Yaw Steering Status	Pseudo YS	2024/5/13 02:21:13	2024/5/13 03:12:49					
			2024/5/13 13:18:10	2024/5/13 14:12:02					
2024/5/14	change of Yaw Steering Status	Pseudo YS	2024/5/14 02:18:50	2024/5/14 03:11:46					
			2024/5/14 13:17:22	2024/5/14 14:08:42					
2024/5/15	change of Yaw Steering Status	Pseudo YS	2024/5/15 02:19:38	2024/5/15 03:07:38					
			2024/5/15 13:17:30	2024/5/15 14:04:26					
2024/5/16	change of Yaw Steering Status	Pseudo YS	2024/5/16 02:20:50	2024/5/16 03:03:06					
			2024/5/16 13:18:10	2024/5/16 13:59:38					
2024/5/17	change of Yaw Steering Status	Pseudo YS	2024/5/17 02:22:50	2024/5/17 02:57:30					
			2024/5/17 13:19:22	2024/5/17 13:54:18					
2024/5/18	change of Yaw Steering Status	Pseudo YS	2024/5/18 02:26:10	2024/5/18 02:49:54					
			2024/5/18 13:21:38	2024/5/18 13:47:14					
2024/5/19	change of Yaw Steering Status	Pseudo YS	2024/5/19 02:34:58	2024/5/19 02:39:14					
			2024/5/19 13:26:34	2024/5/19 13:37:38					

(\*1) The  $\Delta V$  information shows the planned value.

(\*2) This information includes the analysis error.